






LANDSLIDE SUSCEPTIBILITY  
OF  
HUDSON COUNTY, NEW JERSEY

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for the

New Jersey State Police, Office of Emergency Management

1999

-  None—HAZUS number 0
-  Landslide Class A I—strongly cemented rock, slope angle 15-20 degrees (HAZUS number 1)
-  Landslide Class A II—strongly cemented rock, slope angle 20-30 degrees (HAZUS number 2)
-  Landslide Class A IV—strongly cemented rock, slope angle 30-40 degrees (HAZUS number 5)
-  Landslide Class B IV—weakly cemented rock and soil, slope angle 15-20 degrees (HAZUS number 4)

Landslide classes are from the HAZUS User's Manual, Table 9.2 (National Institute of Building Sciences, 1997). Slope angles were measured from the following U. S. Geological Survey 7.5 minute quadrangles: Jersey City, Weehawken, Central Park (all with 10 foot contour interval), and Orange (20 foot contour interval). Slope materials were determined in the field (Stanford, 1993, 1995, 1998).

REFERENCES CITED

National Institute of Building Sciences, 1997, HAZUS user's manual: Washington, D. C., National Institute of Building Sciences Publication 5200.

Stanford, S. D., 1993, Surficial geology of the Weehawken and Central Park quadrangles, Bergen, Hudson, and Passaic counties, New Jersey: N. J. Geological Survey Open File Map 13, scale 1:24,000.

Stanford, S. D., 1995, Surficial geology of the Jersey City quadrangle, Hudson and Essex counties, New Jersey: N. J. Geological Survey Open File Map 20, scale 1:24,000.

Stanford, S. D., 1998, Surficial geology of the Orange quadrangle, Essex, Passaic, Hudson, and Bergen counties, New Jersey: N. J. Geological Survey Open File Map (in review), scale 1:24,000.

